

SWIMMING POOL PUMPS

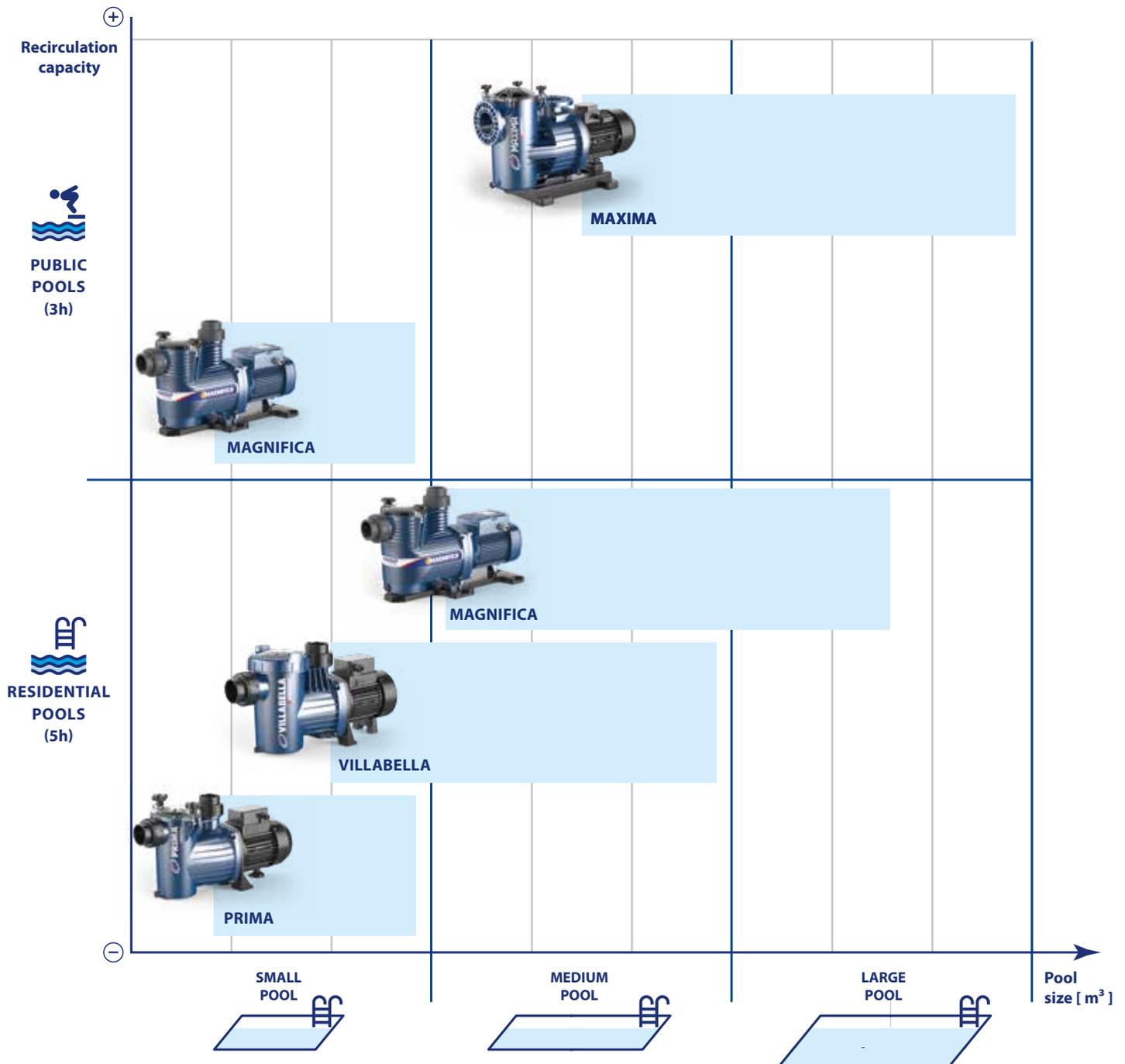


Experience and reliability for a magnificent swim!

The pump is the main component of the hydraulic system and allows the complete recirculation and filtration of the water, so that it remains healthy and free of impurities.

Pedrollo self-priming electric pumps for swimming pools have been developed to offer a wide range of solutions that guarantee reliability, efficiency and ensure the correct functioning of the water treatment system of all types of swimming pools, from the smallest for residential use to public ones for collective use.

PRODUCT OVERVIEW

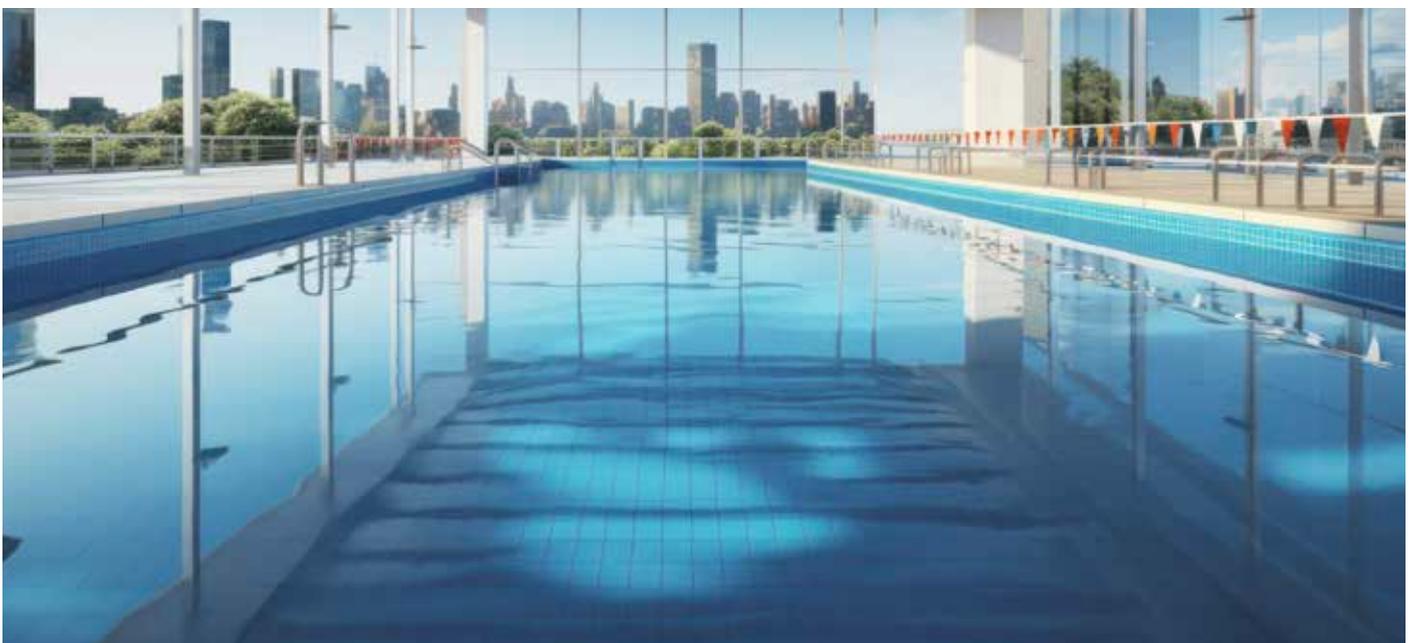


COMPARISON TABLE



	PRIMA	VILABELLA	MAGNIFICA	MAXIMA
N° MODELS	5	6	5	6
RANGE OF POWER P₂	0.33 ÷ 1.5 HP	0.5 ÷ 3.0 HP	0.75 ÷ 3.0 HP	2.5 ÷ 10.0 HP
FLOW RATE	8 ÷ 15.5 m ³ /h	12 ÷ 29 m ³ /h	13 ÷ 39 m ³ /h	40 ÷ 115 m ³ /h
POWER SUPPLY	Single-phase and three-phase for all models			Three-phase
RPM	2900 min ⁻¹	2900 min ⁻¹	2900 min ⁻¹	1450 min ⁻¹
PRE-FILTER VOLUMES	1,1 l	2,5 l	3 l	7 l
CONNECTIONS	Ø 50 mm o 1½"	Ø 63 mm o 2"	Ø 63 mm o 2"	DN 110
MAX NOISE LEVEL	65 dB	67 dB	67 dB	69 dB

TYPE OF POOL	Residential			Public	
MAX POOL VOLUME	80 m ³	160 m ³	230 m ³	110 m ³	400 m ³
OPTIMAL RANGE CAPACITY	40 ÷ 70 m ³	60 ÷ 145 m ³	70 ÷ 195 m ³	40 ÷ 105 m ³	130 ÷ 350 m ³





40-70 m³

- Ideal solution for residential pools for private use with dimensions up to 70 m³
- Large pre-filter basket for low maintenance
- Transparent filter cover and wing nut knob closure for quick inspection and tool-free opening
- High resistance to heat and chemical and salt corrosion



Transparent filter cover with knob closure



DN50 glue fittings included & 1 1/2" female thread

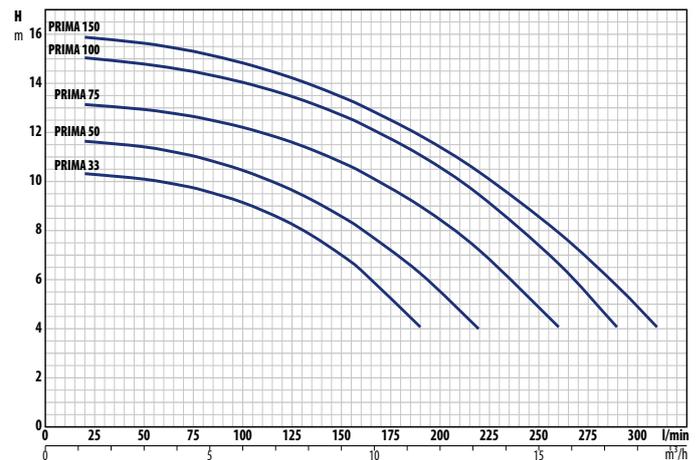
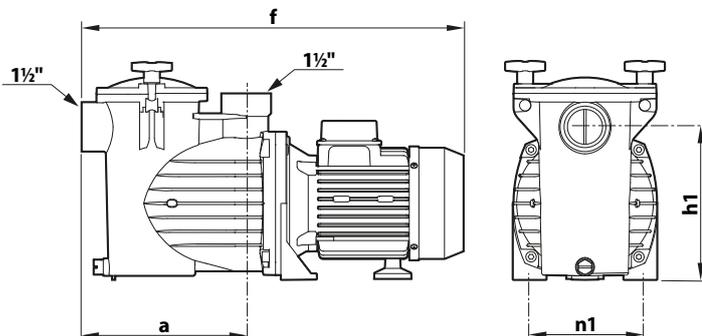


OR Integrated into the cover of the pre-filter basket

MODEL		POWER (P ₂)		PERFORMANCE		DIMENSIONS mm				WEIGHT	ABSORPTIONS	
Single-phase	Three-phase	kW	HP	H m	Q m ³ /h	a	f	h1	n1	kg	1~ 230 V	3~ 230 / 400 V
PRIMA 33m	PRIMA 33	0.25	0.33	8	8	205	476	191	140	8.8	2.9 A	1.9 A / 1.1 A
PRIMA 50m	PRIMA 50	0.37	0.50	8	10						3.3 A	2.5 A / 1.4 A
PRIMA 75m	PRIMA 75	0.55	0.75	8	12.5					3.8 A	2.8 A / 1.7 A	
PRIMA 100m	PRIMA 100	0.75	1	8	14.5					9.8	4.2 A	3.5 A / 2.0 A
PRIMA 150m	PRIMA 150	1.1	1.5	8	15.5						7.3 A	5.0 A / 2.9 A

Q = Flow rate H = Total manometric head

Class **IE2** for single-phase motors
Class **IE3** for three-phase motors



TECHNICAL SPECIFICATIONS

Pump casing	Glass fibre reinforced polypropylene
Diffuser	Glass fibre reinforced polypropylene
Impeller	Noryl™
Pre-Filter	Polypropylene

Mechanical seal	Graphite / Alumina oxide / NBR / AISI 316
Motor shaft	Stainless steel AISI 316
Electric motor	Continuous Service S1 - IP 55 - class F - 2 poles
Max liquid temp.	+40°C




60-145 m³

- Transparent filter cover for quick inspection and equipped with a ring nut for easy opening and safe closing
- High-performance motor for better resistance to high temperatures and high humidity levels
- High resistance to wear and chemical corrosion from chemical products and processes used for water treatment and pool cleaning
- Suitable for use in salt water



DN63 Glue fittings included & 2" female thread



Transparent filter cover with quarter-turn opening

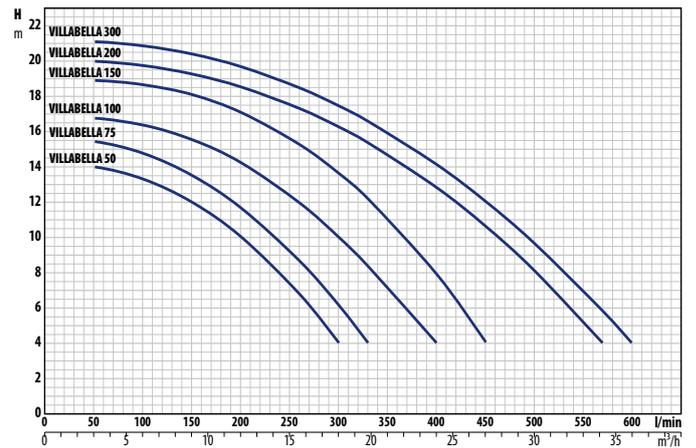
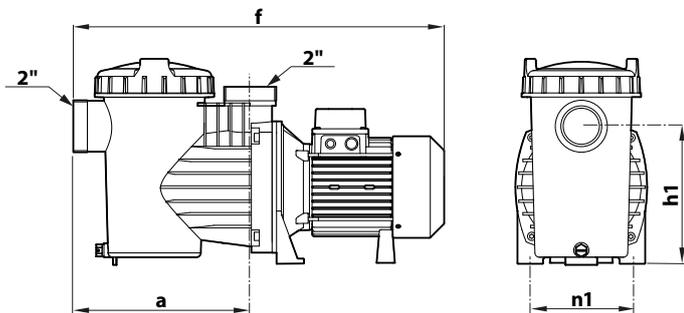


OR integrated into the cover of the pre-filter basket

MODEL		POWER (P ₂)		PERFORMANCE		DIMENSIONS mm				WEIGHT	ABSORPTIONS	
Single-phase	Three-phase	kW	HP	H m	Q m ³ /h	a	f	h1	n1	kg	1~ 230 V	3~ 230 / 400 V
VILLABELLA 50m	VILLABELLA 50	0.37	0.50	10	12	277	550	216	160	11.7	4.4 A	2.4 A / 1.4 A
VILLABELLA 75m	VILLABELLA 75	0.55	0.75	10	14					11.5	4.8 A	3.1 A / 1.8 A
VILLABELLA 100m	VILLABELLA 100	0.75	1	10	18					12.9	5.5 A	3.8 A / 2.2 A
VILLABELLA 150m	VILLABELLA 150	1.1	1.5	10	22		580			13.9	7.3 A	5.0 A / 2.9 A
VILLABELLA 200m	VILLABELLA 200	1.5	2	10	26					14.9	9.2 A	6.0 A / 3.5 A
VILLABELLA 300m	VILLABELLA 300	2.2	3	10	29					17.4	12.2 A	8.6 A / 5.0 A

Q = Flow rate H = Total manometric head

Class **IE2** for single-phase motors
Class **IE3** for three-phase motors



TECHNICAL SPECIFICATIONS

Pump casing	Glass fibre reinforced polypropylene
Diffuser	Glass fibre reinforced polypropylene
Impeller	Noryl™
Pre-Filter	Polypropylene

Mechanical seal	Graphite / Alumina oxide / NBR / AISI 316
Motor shaft	Stainless steel AISI 316
Electric motor	Continuous Service S1 - IP 55 - class F - 2 poles
Max liquid temp.	+40°C

MAGNIFICA



70-120 m³ 70-195 m³

- Ideal solution for large residential pools or small public pools, water therapy jets and water features
- High hydraulic efficiency that guarantees higher flow rates and reduced energy consumption
- Double insulation that prevents any contact of the motor shaft with water
- High-efficiency motor designed to withstand high temperatures and high humidity levels



2" threaded ports fittings Ø 63 mm



Double drain channel to guarantee complete emptying from water

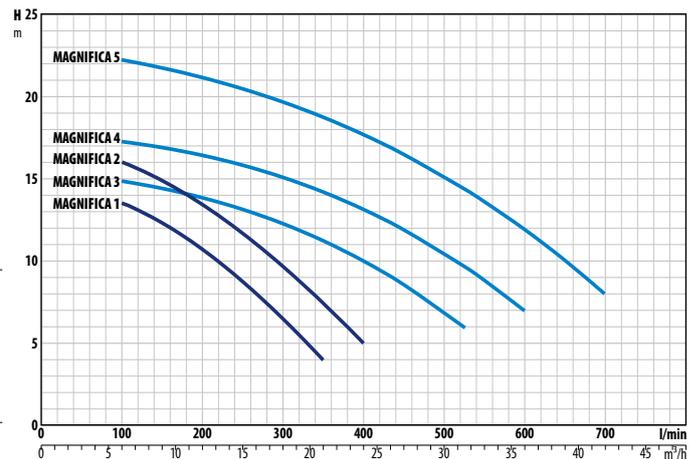
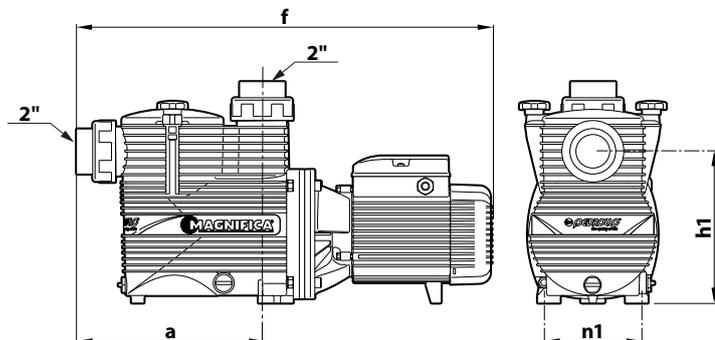


Large pre-filter with a capacity of 3 litres

MODEL		POWER (P ₂)		PERFORMANCE		DIMENSIONS mm				WEIGHT	ABSORPTIONS	
Single-phase	Three-phase	kW	HP	H m	Q m ³ /h	a	f	h1	n1	kg	1~ 230 V	3~ 230 / 400 V
MAGNIFICA 1m	MAGNIFICA 1	0.55	0.75	10	13	294	583	240	155	8.8	2.8 A	2.8 A / 1.6 A
MAGNIFICA 2m	MAGNIFICA 2	0.75	1	10	17.5						3.6 A	3.6 A / 2.1 A
MAGNIFICA 3m	MAGNIFICA 3	1.1	1.5	10	24						5.4 A	5.4 A / 3.1 A
MAGNIFICA 4m	MAGNIFICA 4	1.5	2	10	30						7.3 A	7.3 A / 4.2 A
MAGNIFICA 5m	MAGNIFICA 5	2.2	3	10	39						8.6 A	8.6 A / 5.0 A

Q = Flow rate H = Total manometric head

Class **IE2** for single-phase motors
Class **IE3** for three-phase motors



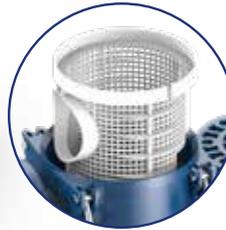
TECHNICAL SPECIFICATIONS

Pump casing	Glass fibre reinforced polypropylene
Diffuser	Noryl™
Impeller	Noryl™
Pre-Filter	Polypropylene

Mechanical seal	Graphite / Alumina oxide / NBR / AISI 316
Motor shaft	Stainless steel AISI 431
Electric motor	Continuous Service S1 - IP 55 - class F - 2 poles
Max liquid temp.	+40°C



- Suitable for large flow rates in commercial pools for collective use
- Extra-large pre-filter basket reduces the frequency of cleaning
- High efficiency 4-poles motor
- High resistance to wear and chemical corrosion from chemical products and processes used for water treatment and pool cleaning
- Suitable for use in salt and thermal water



Large pre-filter with a capacity of 7 litres



flanged connections
DN 110

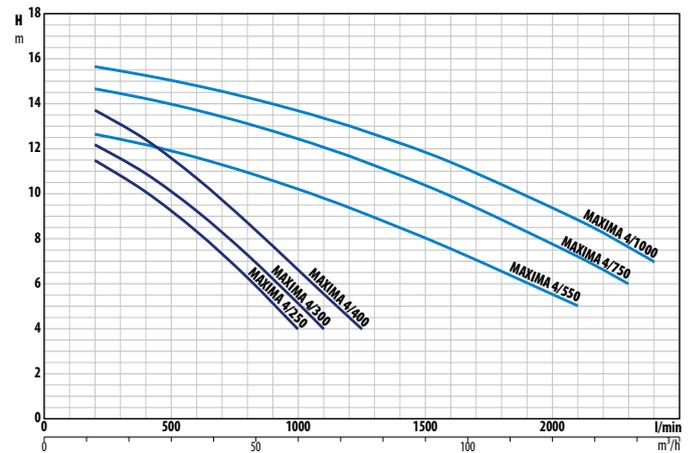
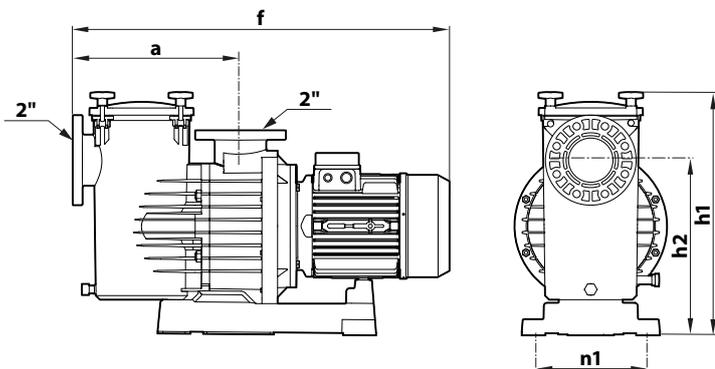


Solid and durable support base

MODEL	POWER (P ₂)		PERFORMANCE		DIMENSIONS mm					WEIGHT	ABSORPTIONS
	Three-phase	kW	HP	H m	Q m ³ /h	a	f	n1	h1	h2	kg
MAXIMA 4/250	1.8	2.5	8	43	407	838	300	425	596	42.0	8.5 / 4.9 A
MAXIMA 4/300	2.2	3	8	54						42.5	9.4 / 5.3 A
MAXIMA 4/400	3	4	10	56						44.5	12.5 / 6.9 A
MAXIMA 4/550	4	5.5	10	84						53.4	15.3 / 8.8 A
MAXIMA 4/750	5.5	7.5	10	107						66.0	12.0 / 7.0A
MAXIMA 4/1000	7.5	10	10	115						76.0	15.8 / 9.2 A

Q = Flow rate H = Total manometric head

Class IE3 for three-phase motors



TECHNICAL SPECIFICATIONS

Pump casing	Glass fibre reinforced polypropylene
Diffuser	Glass fibre reinforced polypropylene
Impeller	Noryl™
Pre-Filter	Polypropylene

Mechanical seal	Graphite / Alumina oxide / NBR / AISI 316
Motor shaft	Stainless steel AISI 316
Electric motor	Continuous Service S1 - IP 55 - class F - 4 poles
Max liquid temp.	+40°C



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